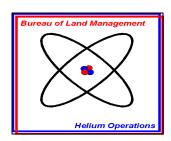
Bureau of Land Management



Amarillo Field Office Helium Operations

Statistical Report for November - 2001





Distribution:

Fluid Minerals Group Manager, Washington Office New Mexico State Director Associate State Director Petroleum Engineer

Field Manager, Amarillo Field Office Division Chiefs (3)

Team Leaders

- -Federal Leased Lands
- -Gas Analysis
- -Resources Evaluation
- -Natural Gas Engineering

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Amarillo, Texas

Issued: April 10, 2002

* Revised *

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Approved for distribution: Nelson R. Bullard /s/
Date: 11/10/2001

Table 1 - Summary of Helium Operations

November - 2001

In Kind Sales	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind	Charges B	illed (\$)**
Total month	0	0	0	0	0	0	0	0		\$0
Total FYTD	0	0	0	0	0	0	0	0		\$0
Total CYTD	118,914	10,224	0	21,212	28,476	13,964	192,790	189,804		\$9,489,488
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							27,436	27,723	212,966	746,213
Volume outstanding	· · · · · · · · · ·						36,041			

	[]	Month		Month	FYTD	Month	FYTD	FYTD	CYTD	Cumulative
Purchased Helium	Helium-Gas Mixture	Helium Percent	Helium	3		Contained Helium				
Total purchased										32,176,145
Purchased helium produced / transferred			27,436					27,723	212,966	2,731,553
Balance of purchased helium in storage										29,444,592
Private Plant Activity										
Accepted in storage system	81,896	68.33%	55,962	817	1,518	(178)	(220	112,762	570,833	6,648,641
Redelivered from storage system	(275,412)	69.21%	(190,613)	0	0	85	85	(379,339)	(2,092,604)	(8,012,642)
Total apparent crude produced^	195,250	68.43%	133,608					270,430	1,390,184	NA
Total apparent crude refined^	(334,198)	69.97%	(233,844)					(466,738)	(2,535,942)	NA

	[Metered Ga	s		Transfe	erred Gas	Stored	Charges Billed	
	Gross Gas	Helium	Helium			Не	elium	Helium	Dollars**	
Storage Contract Activity	Mon	th	FYTD	CYTD	Cumulative	Month	Cumulative	EOM	Month	FYTD
Crude Acquired	81,579	55,784	112,542	568,912	24,025,752	81,209	23,946,703			
Crude Disposed	275,226	190,528	379,254	2,092,375	19,838,402	53,773	23,200,221			
Grade-A Rdlvrd	0	0	0	0	1,427,554	0	0			
Net/Balance	(193,647)	(134,744)	(266,712)	(1,523,463)	2,759,796	27,436	746,482	2,812,432	\$17,531	\$385,531

Bush Dome Reservoir Operations	Month		Fiscal Y	l'ear	Since Sta	art of	Since Field Discovery	
					Conservation	Program		
Conservation gases from all sources	Gross	Net	Gross	Net	Gross	Net	Gross	Net
In underground storage, beg. of period	44,892,657	32,376,326	45,066,384	32,502,687	490,620	490,620	0	0
Net Activity	(186,927)	(134,703)	(360,654)	(261,064)	44,215,110	31,751,003	44,705,730	32,241,623
Total in underground storage	44,705,730	32,241,623	44,705,730	32,241,623	44,705,730	32,241,623	44,705,730	32,241,623
Native Gas								
Total in place, beg. of period	208,856,449		208,866,427		265,724,755		318,727,000	
Net Activity	(10,507)							
Total in place, end of month	208,845,942							
Native Gas plus Conservation Gases								
Total gases in place, beg. of period	253,749,106		253,932,811		266,215,375		318,727,000	
Net Activity	(197,434)		(381,139)		(12,663,703)		(65,175,328)	
Total gases in place, end of month	253,551,672		253,551,672		253,551,672		253,551,672	

Helium Resources Evaluation			Month		FYTD	
Revenue Collected from Federal Lease Holds			\$385,147		\$752,541	
Helium Sample Collection Report	Submitted	44	Received	3	Analyzed	0
Estimated U.S. Helium Reserves	323,000,000		,		,	
Customer Comment Cards Mailed		>	Month	0	FYTD	0

^{*} Volumes in Mcf at 14.7 psia & 70°F; all other volumes in 14.65 psia & 60°F

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^{**}Rounded to nearest dollar

[^] Other sources of helium are accessed but data are not available

Table 5 - Pipeline & Cliffside Field OperationsAll Volumes in Mcf at 14.65 psia & 60°F

November - 2001

	1	2	3	4	5	6	7	8
					Since S	tart of	Sin	ce
	Mo	nth	Fiscal Year		Conservatio	n Program	Field Di	scovery
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
Conservation Pipeline		*		•				
Beginning of period inventory (1)	34,091	23,864	39,161	27,413	0	0	•	
Measured to pipeline (2)	275,633	190,788	538,017	374,058	105,597,996	75,542,885		
Measured from pipeline (3)	275,412	190,614	546,001	379,341	39,936,835	28,595,302		
Measured into Bush Dome (4)	0	0	0	0	64,353,584	46,235,012		
Calculated inventory (1+2-3-4)	34,312	24,038	31,177	22,130	1,307,577	712,571		
End of period inventory	39,987	27,991	39,987	27,991	39,987	27,991		
Line gain or (loss)	5,675	3,953	8,809	5,861	(1,267,590)	(684,580)		
Percent gain (loss) of total measured	1.030%	1.036%	0.813%	0.778%	-0.604%	-0.455%		
Bush Dome Reservoir Operatio	ns							
Conservation gases from all sources								
In underground storage, beg. of period	44,892,657	32,376,326	45,066,384	32,502,687	490,620	490,620	0	C
Injected during period to date	0	0	0	0	64,353,855	46,234,973	64,961,755	46,842,873
Withdrawn during period to date	186,927	134,703	360,654	261,064	20,184,894	14,530,119	20,302,174	14,647,399
Helium from Exell-Soncy	0	0	0	0	46,149	46,149	46,149	46,149
Total in underground storage	44,705,730	32,241,623	44,705,730	32,241,623	44,705,730	32,241,623	44,705,730	32,241,623
Native Gas								
Total in place, beg. of period	208,856,449		208,866,427		265,724,755		318,727,000	
Recoverable in place, beg. of period	199,805,449		199,815,427		256,673,755		309,676,000	
Production during period to date	10,507		20,485		56,878,813		109,881,058	
Total in place, end of month	208,845,942		208,845,942		208,845,942		208,845,942	
Recoverable in place, end of month	199,794,942		199,794,942		199,794,942		199,794,942	
Native Gas plus Conservation Gases								
Total gases in place, beg. of period	253,749,106		253,932,811		266,215,375		318,727,000	
Total gases in place, end of month	253,551,672		253,551,672		253,551,672		253,551,672	
Change during period	(197,434)		(381,139)		(12,663,703)		(65,175,328)	
		-		r				
Ave. reservoir pressure, beg. of period	665.7	L	666.3	ļ	685.0		814.1	
Tuck Trigg Reservoir Operation	ns							
Native Gas								
Total in place, beg. of period	5,206,471		5,206,471		•		5,890,000	
Recoverable in place, beg. of period	4,536,471		4,536,471				5,220,000	
Production during period to date	0		0				683,529	
Total in place, end of month	5,206,471		5,206,471				5,206,471	
Recoverable in place, end of month	4,536,471		4,536,471		•		4,536,471	
Ave. reservoir pressure, beg. of period	484.4	Γ	484.4				548.0	
1 , 3 1	1	. L	#			^	#	
Natural Gas Sales Compressor Operation			Tot Month	als FYTD	Rever		Cumulative	
November - 2001 NGI Mainline Spot G	as Fuel Drice	per/MMBTU	Month \$2.88	FYTD	Month	FYTD	12/01/2000	
Amount of Fuel used for the month	45 1 UEI FIICE	total MMBTU	2,807.63				32,064.16	
Natural Gas Purchased for Fuel		\$dollars	2,007.03	6,150.33	\$8,085.96	\$13,902.26	\$125,643.33	
Tuck Trigg Gas Produced		\$dollars (Mcf)	0	0	φυ,υου.90	ψ13,902.20	\$125,643.33	
Fuqua A-1 Gas Produced		(Mcf)	0	0			30,195	
#1 Compressor			U	U			55,155	
			558	1 284			7 274	
#2 Compressor		hours run	558 151	1,284 151			7,274 151	